

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Acacia farnesiana*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	WATER	Leaf		814000.0	0.031741499590285306	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CARBOHYDRATES	Seed	730000.0	770000.0	0.9800291311468579	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Seed	209000.0	550000.0	2.812797734445859	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CARBOHYDRATES	Leaf	90000.0	484200.0	-1.0151486657995317	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Leaf	80000.0	430000.0	2.1763064193199195	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	TANNINS	Fruit	110000.0	322000.0	2.5553598458512568	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
15	FIBER	Leaf	57000.0	306000.0	1.786476373006545	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FAT	Seed	20000.0	78000.0	-0.9870374714555853	--
0	NITROGEN	Leaf	12800.0	68800.0	1.2507839376624452	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	GLUTAMIC-ACID	Leaf	10080.0	54070.0	0.8730215200517875	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ASH	Leaf	10000.0	53800.0	-1.146130957061661	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	EO	Flower	5000.0	50000.0	1.241286294843234	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
27	LINOLEIC-ACID	Seed	12800.0	50000.0	-0.48942865171816513	--
14	ARGININE	Leaf	7360.0	39480.0	1.3871175969782887	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	ASPARTIC-ACID	Plant	7040.0	37770.0	1.3374636299085358	--
0	FAT	Leaf	6000.0	32280.0	-0.48187178239214123	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	LEUCINE	Leaf	6000.0	32190.0	2.414102856680727	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROLINE	Leaf	4080.0	21890.0	1.5418615186449842	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	LYSINE	Leaf	3760.0	20170.0	1.6628021945345992	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	ALANINE	Leaf	3440.0	18450.0	1.3615480815328946	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	SERINE	Leaf	3280.0	17600.0	1.5524961353748998	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	VALINE	Leaf	3120.0	16740.0	1.1346165716482157	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
18	OLEIC-ACID	Seed	4200.0	16000.0	-0.847570817071624	--
3	ISOLEUCINE	Leaf	2800.0	15020.0	0.7615009868426974	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
7	PHENYLALANINE	Leaf	2800.0	15020.0	1.2243440357218753	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
12	GLYCINE	Leaf	2720.0	14590.0	1.1085158262772645	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	TYROSINE	Leaf	2240.0	12010.0	1.1112099488478182	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	THREONINE	Leaf	2000.0	10730.0	0.3153628468971734	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
7	HISTIDINE	Leaf	1840.0	9870.0	2.255186144347604	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
13	PALMITIC-ACID	Seed	2400.0	9500.0	-0.503585224724406	--
28	CALCIUM	Seed	3900.0	5500.0	0.24859598148301348	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Leaf	930.0	5003.0	-0.917925931191467	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	PHOSPHORUS	Leaf	840.0	4519.0	-0.08324574404567579	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	METHIONINE	Leaf	700.0	3860.0	0.6425258768913413	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	LEUCINE	Seed	3700.0	3750.0	-1.27607066721136	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
4	PHOSPHORUS	Seed	2000.0	2700.0	-0.7011725748825549	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
112	ASCORBIC-ACID	Leaf	490.0	2636.0	-0.19933288649781924	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	STEARIC-ACID	Seed	600.0	2300.0	-0.515487850383026	--
4	LYSINE	Seed	1750.0	1800.0	-1.3950017923225162	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
3	VALINE	Seed	1600.0	1650.0	-1.2761249121679237	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
7	PHENYLALANINE	Seed	1450.0	1500.0	-1.1990056353773155	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
4	THREONINE	Seed	1050.0	1100.0	-1.574239291812439	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
3	ISOLEUCINE	Seed	1075.0	1100.0	-1.1983767279324409	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
2	CYSTINE	Seed	700.0	750.0	-1.6696102828167267	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
53	BETA-CAROTENE	Leaf	120.0	646.0	1.6753562972527778	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
39	NIACIN	Leaf	85.0	457.0	4.37280098796833	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
29	TRYPTOPHAN	Seed	440.0	450.0	-0.9805035053762663	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
15	METHIONINE	Seed	175.0	200.0	-1.0625192949985425	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
6	IRON	Leaf	37.0	199.0	-0.4161653734377091	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
31	THIAMIN	Leaf	2.0	11.0	0.5617191393000665	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	RIBOFLAVIN	Leaf	2.0	9.0	-0.13567415267130314	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
9	HCN	Leaf		4.495	-1.1674032562088021	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	HYDROCYANIC-ACID	Leaf		4.495	-1.0	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	HYDROXYACETOPHENONE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	3-METHYL-3-Z-NONENOIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
17	FARNESOL	Plant				--
0	ISORHAMNETIN-3,7-GLUCORHAMNOSIDE	Flower				Wealth of India.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	AROMADENDRIN	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
13	PALMITIC-ACID	Flower				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
17	FARNESOL	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	LINALOL	Flower				--
0	DECYL-ALDEHYDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
10	CUMINALDEHYDE	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
3	TRIACONTANOL	Leaf				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	3-METHYL-3-Z-DECEN-1-OL	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
3	MUCILAGE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	3-METHYL-3-Z-DECEN-1-OL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
6	BUTYRIC-ACID	Flower				--
0	QUERCETIN-3-O-RUTINOSIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	EICOSANE	Plant				--
62	GALLIC-ACID	Flower				Wealth of India.
8	P-CRESOL	Flower				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
76	EUGENOL	Flower				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
10	CUMINALDEHYDE	Plant				--
0	CRESOLS	Plant				--
0	TRANS-3-METHYL-DEC-4-ENOIC-ACID	Flower				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	3-METHYL-3-E-NONEN-1-OIC-ACID	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
21	METHYL-SALICYLATE	Flower				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	NONACOSANE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	3-METHYL-3-E-NONEN-1-OIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
13	BETA-IONONE	Flower				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	PRUNIN-O-6'-GALLATE	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	APIGENIN-6,8-BIS-BETA-D-GLUCOPYRANOSIDE	Plant				--
2	NONACOSANE	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	ETHYL-PHENOL	Flower				--
51	ELLAGIC-ACID	Fruit				--
57	COUMARIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
57	COUMARIN	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	(+)-GALLOCATECHOL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
16	METHYL-GALLATE	Plant				--
0	NARINGENIN-7-DIGLUCOSIDE	Fruit				Wealth of India.
0	NARINGENIN-7-RHAMNOGLUCOSIDE	Fruit				--
0	BETA-GERANIOL	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
7	ANISALDEHYDE	Flower				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	ETHYL-ESTER	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	CRESOLS	Flower				Wealth of India.
1	KAEMPFEROL-7-GLUCOSIDE	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
1	CHOLESTEROL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	CIS-3-METHYL-DEC-3-ENOIC-ACID	Flower				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
4	(+)-CATECHOL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
20	METHYL-EUGENOL	Flower				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
56	NARINGENIN	Fruit				Wealth of India.
0	M-DIGALLIC-ACID	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	AMINO-ACIDS	Plant				--
0	APIGENIN-6,8-BIS-(C-BETA-D-GLUCOPYRANOSIDE)	Leaf				--
0	KAEMPFEROL-7-GALLOYLGLUCOSE	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
2	CAMPESTEROL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	CIS-3-METHYL-DEC-3-EN-1-OL	Flower				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	N-METHYL-BETA-PHENETHYLAMINE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
5	GERANYL-ACETATE	Flower				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	N-ACETYL-DJENKKOLIC-ACID	Seed				--
9	BENZYL-ALCOHOL	Flower				--
11	NEROLIDOL	Flower				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
12	STIGMASTEROL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
51	ELLAGIC-ACID	Plant				--
23	ALPHA-TERPINEOL	Flower				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
75	KAEMPFEROL	Plant				--
6	BUTYRIC-ACID	Plant				--
1	CHOLESTEROL	Seed				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
35	GERANIOL	Flower				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
34	SALICYLIC-ACID	Flower				--
20	BENZOIC-ACID	Flower				--
2	PIPECOLIC-ACID	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	NARINGENIN-7-RHAMNOGLUCOSIDE	Plant				--
0	EICOSANE	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
2	ALPHA-SPINASTEROL	Seed				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
2	ISORHAMNETIN-3-RUTINOSIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	BETA-GERANIOL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
12	STIGMASTEROL	Seed				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	M-DIGALLIC-ACID	Plant				--
7	LINALYL-ACETATE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
62	GALLIC-ACID	Plant				--
0	NARINGENIN-7-GLUCOSIDE	Fruit				--
24	BENZALDEHYDE	Flower				Pakistan Encyclopedia Planta Medica. 1986.
0	SITOSTEROL	Plant				Pakistan Encyclopedia Planta Medica. 1986.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	DIHYDROACTINIDIOLIDE	Flower				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
5	ALPHA-IONONE	Flower				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	NARINGENIN-7-GLUCOSIDE	Plant				--
20	BENZOIC-ACID	Plant				--
0	SITOSTEROL	Seed				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
53	LINALOOL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
16	METHYL-GALLATE	Fruit				--
87	RUTIN	Leaf				Wealth of India.
2	LOTAUSTRALIN	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	DECYL-ALDEHYDE	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	N-METHYL-BETA-PHENETHYLAMINE	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
24	BENZALDEHYDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
2	CAMPESTEROL	Seed				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	KAEMPFEROL-7-DIGLUCOSIDE	Fruit				Wealth of India.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
53	LINALOOL	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
2	LINAMARIN	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
11	TYRAMINE	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	4-HYDROXY-PIPECOLIC-ACID	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	N-ACETYL-DJENKOLIC-ACID	Plant				--
5	PINITOL	Flower				Wealth of India.
2	ALPHA-SPINASTEROL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
34	SALICYLIC-ACID	Plant				--
75	KAEMPFEROL	Fruit				--
7	LINALYL-ACETATE	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	CUMINIC-ALCOHOL	Flower				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	3-METHYL-3-Z-NONENOIC-ACID	Flower				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	MYRICETIN-4'-METHYLETHER-3-RHAMNOSIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.